

[0060] Then, in order to notify the Bluetooth address and the clock signal, the wireless mouse 120 transmits an FHS packet 405 to the multimedia-phone 101 (the page state: step S412).

[0061] The multimedia-phone 101 which has received the FHS packet 405 from the wireless mouse 120 performs confirmation of reception of the FHS packet 405 by transmitting an ID packet 406 to the wireless mouse 120 (the page state: step S412).

[0062] When the wireless mouse 120 is synchronized with the multimedia-phone 101 according to the above-described processing, a piconet is established, and an active state in which the wireless mouse 120 can communicate with the multimedia-phone 101 is provided. As for the IP-Web-phone 110 or each device (not shown), a piconet is established according to processing similar to the above-described processing for the multimedia-phone 101, and the active state (step S413) in which the concerned device can communicate with the wireless mouse 120 is provided. (Communication connection between the wireless mouse 120 and a peripheral device)

[0063] A description will now be provided of a procedure for setting the wireless mouse 120 as an input apparatus for a peripheral device, with reference to the flowcharts shown in FIGS. 5A and 5B.

[0064] The processing program shown in FIG. 5A is stored in a ROM (read-only memory, not shown) within the system controller 201 of the wireless mouse 120, and is executed by a CPU (central processing unit, not shown) within the system controller 201. The processing program shown in FIG. 5B is stored in a ROM (not shown) within the multimedia-phone 101, and is executed by a CPU (not shown) within the multimedia-phone 101.

[0065] When the active state has been provided in which the wireless mouse 120 can communicate with the peripheral devices, such as the multimedia-phone 101 and the like, in the above-described manner, the wireless mouse 120 request device information from the peripheral device (the multimedia-phone in this embodiment) (step S501).

[0066] Upon reception of the request for the device information from the wireless mouse 120, the multimedia-phone 101 transmits the device information relating to the multimedia-phone 101 to the wireless mouse 120 (step S512).

[0067] FIG. 6A shows an example of the device information of the multimedia-phone 101 to be transmitted to the wireless mouse 120 in step S512. The type of the device, such as the multimedia-phone, the IP Web phone or the like, is identified according to the device name. By providing the host-device name with a particular name, even a case in which a plurality of identical multimedia-phones are present can also be dealt with. Status information is also included in the device information, so that whether or not a state of communication with another device is currently present can be known.

[0068] When the wireless mouse 120 has received the device information from the multimedia-phone 101 (step S502), the system controller 201 of the wireless mouse 120 stores the received device information in the memory 205 of the wireless mouse 120. Similarly, device information is also received from other peripheral devices (the IP-Web-phone 110 and the like), and the received information is stored.

[0069] Based on the device information received in step S502, the list of the device name and the host-device name as shown in FIG. 7 is displayed on

the display unit 123 (step S503). The user confirms the list displayed on the display unit 123 using the mouse-function setting button 124, selects a device to be operated (the multimedia-phone 101 in this embodiment), and determines the selected device by clicking the left button of the wireless mouse 120 (step S504).

[0070] The wireless mouse 120 transmits device information 611 of the wireless mouse 120 as shown in FIG. 6B to the multimedia-phone 101 determined in step S504 (step S505).

[0071] FIG. 6B illustrates the device information of the wireless mouse 120 transmitted to the multimedia-phone 101 in step S505. The device information 611 is stored in the memory 205 of the wireless mouse 120, and includes information peculiar to the wireless mouse 120, such as setting of the mouse button for a right-hander or a left-hander, the click speed, the design set of the mouse pointer, the moving speed of the mouse pointer, and the like. Initial values are set in the device information 611. The initial values can be changed by the user's intension. For example, while the wireless mouse 120 communicates with the multimedia-phone 101, a panel for setting the device information of the wireless mouse 120 is displayed on the monitor 104 of the multimedia-phone 101, and parameters, such as the click speed and the like, are set using the mouse-function setting button 124 depending on the user's intention. Upon completion of the setting, the multimedia-phone 101 transmits the changed device information to the wireless mouse 120, which stores the received new device information 611 of the wireless mouse 120 in the memory 205. Thus, it is unnecessary to perform setting of the wireless mouse 120 every time a device using the wireless mouse 120 as the input apparatus is changed.